TG-2

- Waterproof to 15m**, shockproof to 2.1m***, crushproof to 100kg**** and freezeproof to -10°C
- 4x wide optical zoom (25-100mm*)
- iHS Technology
- TruePic VI image processor
- 1:2.0-4.9 wide-aperture high-speed lens
- 8x with Super-Resolution Zoom
- 12 Megapixel backlit CMOS
- Microscope Mode

Maximum toughness for extreme situations

Waterproof, Shockproof, freezeproof, crushproof … the TG-2 is virtually indestructible on the outside. But it's also reliable in lots of other ways: You can rely on incredible image quality for all your photos and Full HD movies. In-built iHS technologies harness the 12-Megapixel BSI CMOS sensor and TruePic VI image processor to deliver more power for enhanced features. Like 240fps high-speed movie recording that lets you play back fast-action footage in super-slow motion with all the detail you can't normally see with the naked eye. Worried about blur in low light? The bright lens with a wide maximum aperture of f2.0 makes light work of dim shooting conditions. The TG-2's remarkably fast operating speed also means you can precisely capture the most fleeting action moments. Other highlights include A Priority Mode that lets you set aperture manually to get professional effects like background blurring. Or Microscope Mode that effectively boosts the zoom to 200mm (35mm equivalent) even when you're just 1cm from your subject. When you're enjoying life outdoors, GPS & e.compass records exactly where you took your pictures and FlashAir™ card compatibility means you can easily share images wirelessly on social media via your smartphone.

Specifications

Image Sensor

Effective pixels	12 Megapixels
Filter array	Primary colour filter (RGB)
Full resolution	12.75 Megapixels
Type	1/2.3'' CMOS

Lens

Optical zoom	4x (WIDE)
Focal length	4.5 - 18.0mm
Focal length (equiv. 35mm)	25 - 100mm
Structure	9 lenses / 7 groups
Aspherical glass elements	4
Maximum aperture	2.0 - 4.9
Filter diamater	40.5mm

Digital Zoom

Enlargement factor	4x / 16x combined with optical zoom
Super Resolution Zoom	2x / 8x combined with optical zoom

Monitor

Monitor type	OLED
Monitor size	7.6cm / 3.0'' (3:2)
Resolution	610000 dots
Brightness adjustment	+/- 2 levels
Frame assistance	Yes
Protection panel	Yes
LCD backlight boost	Yes

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Focusing System

Method	TTL iESP auto focus with contrast detection
Modes	iESP Face Detection AF Spot AF Tracking
Standard mode	0.1m - (wide) / 0.1m - (tele)
Super Macro Mode	Closest focusing distance: 1cm
AF lock	Yes
AF illuminator	Yes
Microscope Mode	Zoom capability while being in Super Macro Mode

Light Metering

Histogram in shooting mode	Yes
Modes	ESP light metering Spot metering

Exposure System

Shutter speed	1/4 - 1/2000s / < 4s (Night scene)
Exposure compensation	+/- 2EV / 1/3 steps
Enhancement function	Mechanical Image Stabiliser (Sensor shift)
	Advanced Face Detection Technology
	Shadow Adjustment Technology
	Pet Detection
Modes	i-Auto Programme automatic Super Macro Scene Modes Magic Filter Panorama Custom 1 Custom 2 Movie

Scene Modes

Number of scene modes	23
Modes	Portrait Beauty Landscape Hand-held Starlight Night Scene Night Scene with portrait Sports Indoor Self-portrait Sunset Fireworks Cuisine Documents Beach and Snow Underwater Snapshot Underwater Wide 1 Underwater Wide 2 Underwater Macro Pet (cat) Pet (dog) Snow Panorama Backlight HDR

Magic Filter

Types	Pop Art Pin Hole Fisheye Soft Focus Punk Sparkle Water colour Reflection Miniature Fragmented Dramatic

Sensitivity

Auto	AUTO / High AUTO
Manual	ISO 100, 200, 400, 800, 1600, 3200, 6400

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White Balance

AUTO WB system	Yes
Preset values	Overcast Sunlight Tungsten Underwater Flourescent 1
One-touch white balance	1 custom settings can be registered

Internal Flash

Modes	AUTO Red-eye reduction Fill-in Off
Working range (wide)	0.2 - 7.9m (ISO 1600)
Working range (tele)	0.1 - 3.1m (ISO 1600)

External Flash Control

Wireless flash control	-

Sequence Shooting

Sequential shooting mode (high speed)	15fps / 60 frames (in 3MP mode)
	15fps / 100 frames (in 3MP mode)
Sequential shooting mode	5fps / 25 frames (Full Image Size)

Image Processing

Pixel mapping	Yes
Engine	TruePic VI
Distortion compensation	Yes
Shading compensation	Yes

Image Editing

Resize	Yes
Trimming	Yes
Correction of saturation	Yes
Beauty Fix	Yes
Red-eye reduction	Yes
Shadow Adjustment	Yes

View Images

Modes	Single Index Zoom Slide show Event Location
Index	5 x 4 frames
Zoom	Yes 1.1 - 10x
Auto rotation	Yes
Image protect mode	Yes
Histogram in playback mode	Yes

View Movie

Modes	Frame by frame Fast forward Reverse playback

Still Image Recording

DCF	Yes
EXIF	2.3
PIM	III
DPS	PictBridge
DPOF	Yes

Movie Recording System

Recording format	MOV (H.264) / HS Movie: AVI (Motion JPEG)
Image Stabilisation Mode	Multi-motion Movie IS
HD Movie quality	1080P Recording time: 29min.
	720P Recording time: 29min.
Movie quality	VGA Recording time: Up to card capacity
High-Speed Recording	QVGA / 240fps 20sec.
	VGA / 120fps Recording time: 20sec.
	Note: maximum file size 4GB
	When shooting 1080P/720P movies, use SDHC / SDXC class 6 or higher.
Magic Filter	Pop Art Pin Hole Fisheye Soft Focus Punk Water colour Reflection Miniature Dramatic

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Sound Recording System

Voice playback	Yes
Sound recording	Yes , format: PCM
Internal microphone	Stereo
Image footage	4s
Speaker	Yes

Memory

Removable Media	SD / SDHC / SDXC
Internal memory	22MB
Eye-Fi Card compatible	Yes

Image Size

12M	-
8M	3264 x 2448
3M	2048 x 1536
VGA	640 x 480
Aspect ratio	4:3 / 3:2 / 16:9 / 1:1

Menu

Menu languages in camera	39

Other Features

Shock resistant	Shock-proof from heights of up to 2m *
Waterproof	Waterproof up to a water pressure equivalent to 15m depth **
Tap Control	Yes
GPS	Yes
Electronic compass	Yes
SNS upload	Yes
Freezeproof	Freezeproof up to -10°C ***
Crushproof	Crushproof up to 100kg ****
Dustproof	Yes
Manometer	Yes
Perfect Shot Preview	Yes
Panorama function	In-Camera Panorama
Self timer	2 / 12s Pet auto shutter
Menu guide	Yes
Date imprint	Yes
LED Illuminator	Yes
	* Equivalent to MIL Standard (Olympus test conditions)
	** According to IEC standard publication 529 IPX8
	*** According to Olympus test conditions
	**** According to IEC standard publication 529 IPX6

Customisation Options

My Mode	2 settings storable

Power Supply

Battery	LI-90B Lithium-Ion Battery
Internal Charging	Yes

Interface

HDMI™	Yes Micro connector (Type D) *
DC input	Yes
Combined A/V & USB output	Yes
USB 2.0 High Speed	Yes
	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.
FlashAir compatible	Yes

Size

Dimensions (W x H x D)	111.5 x 66.5 x 29.1mm
Weight	230g (including battery and memory card)

*Equivalent to a 35mm camera
**According to IEC standard publication 529 IPX8
***Equivalent to MIL Standard (Olympus test conditions)
****According to Olympus test conditions

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